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\*500022590\*

MARCH 08, 2005

PTAS

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ORLANDO, FL 32801

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 03/08/2005

REEL/FRAME: 015742/0898

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

HOUGE, ERIK C.

DOC DATE: 03/02/2005

## ASSIGNOR:

KEMPSHALL, BRIAN W.

DOC DATE: 03/01/2005

## ASSIGNOR:

SCHWARZ, STEPHEN M.

DOC DATE: 07/30/2004

## ASSIGNOR:

STEVIE, FRED A.

DOC DATE: 08/20/2004

## ASSIGNEE:

AGERE SYSTEMS, INC.  
1110 AMERICAN PARKWAY NE  
ALLENTOWN, PENNSYLVANIA 18109

015742/0898 PAGE 2

SERIAL NUMBER: 10505198

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: CRYSTALLOGRAPHIC METROLOGY AND PROCESS CONTROL

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

03/08/2005  
500022590

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Erik C. Houge</td><td>03/02/2005</td></tr><tr><td>Brian W. Kempshall</td><td>03/01/2005</td></tr><tr><td>Stephen M. Schwarz</td><td>07/30/2004</td></tr><tr><td>Fred A. Stevie</td><td>08/20/2004</td></tr></tbody></table>		Name	Execution Date	Erik C. Houge	03/02/2005	Brian W. Kempshall	03/01/2005	Stephen M. Schwarz	07/30/2004	Fred A. Stevie	08/20/2004
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Agere Systems, Inc.</td></tr><tr><td>Street Address:</td><td>1110 American Parkway NE</td></tr><tr><td>City:</td><td>Allentown</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>18109</td></tr></table>		Name:	Agere Systems, Inc.	Street Address:	1110 American Parkway NE	City:	Allentown	State/Country:	PENNSYLVANIA	Postal Code:	18109
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10505198</td></tr></tbody></table>		Property Type	Number	Application Number:	10505198						
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CORRESPONDENCE DATA											
Fax Number: (407)926-7720 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 407-926-7701											
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Address Line 4: Orlando, FLORIDA 32801											
NAME OF SUBMITTER:	James H. Beusse										
Total Attachments: 5 source=Agere 276 Houge 31-1-3-30#page1.tif source=Agere 276 Houge 31-1-3-30#page2.tif											

OP \$40.00 10505198

## ASSIGNMENT AND AGREEMENT

For value received, we, **Erik C. Houge of Orlando** in the County of **Orange** and State of **Florida**; **Brian W. Kempshall of Casselberry** in the County of **Seminole** and State of **Florida**; **Stephen M. Schwarz of Merritt Island** in the County of **Brevard** and State of **Florida**; and **Fred A. Stevie of Cary** in the County of **Wake** and State of **North Carolina**, hereby sell, assign and transfer to **Agere Systems Inc.**, a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **In-Line Orientation Metrology Via Ion Channeling Contrast**, described in a provisional application for Letters Patent of the United States, Application No. **60/359,222**, filed **February 22, 2002**, and **Crystallographic Metrology And Process Control**, described in a PCT application filed on **February 24, 2003** in the U.S. Receiving Office as International Application No. **PCT/US03/07264** and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

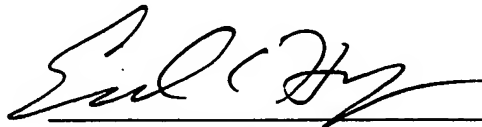
We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date: 03-02-05



**ERIK C. HOUGE**

United States of America )

State of Florida ) ss.:

County of Orange )

On this 2nd day of March, 2004, before me personally came **Erik C. Houge**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



**Notary Public**



Mary V Carter  
My Commission DD347715  
Expires September 20, 2008

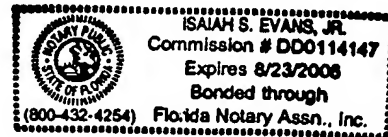
Houge 31-1-3-30

Date: 3/1/05  
BRIAN W. KEMPSHALL

United States of America )

State of Florida ) ss.:County of Orange )

On this 1 day of March, 2005, before me personally came **Brian W. Kempshall**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Date: 7/30/04

  
STEPHEN M. SCHWARZ


United States of America )

State of Florida ) ss.:

County of Broward )

On this 30 day of July, 2004, before me personally came **Stephen M. Schwarz**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



  
Notary Public

Date: Aug. 20, 2004

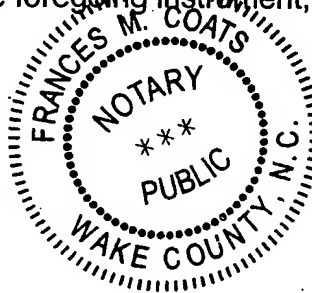
Fred A. Stevie  
FRED A. STEVIE

United States of America )

State of North Carolina ) ss.: 402-66-6690

County of Wake )

On this 20th day of August, 2004, before me personally came **Fred A. Stevie**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Frances M Coats  
Notary Public

Commission Expires: Dec 28, 2008

Agere Systems Inc.  
555 Union Boulevard  
Allentown, Pennsylvania 18109